

Appl. No. 10/034,719
Amdt. dated November 16, 2004
Reply to Office action of August 25, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An intelligent network server, comprising:
a message transport module for receiving messages from a communications network;
at least one subsystem coupled to the message transport module, running an application for performing network services or functions;
an operations management module coupled to the message transport module and the at least one subsystem, performing local operations management for the application, wherein the operations management module determines overload capabilities of the at least one subsystem.
2. (Original) The intelligent network server of Claim 1 comprising a plurality of subsystems coupled to the message transport module, running a plurality of applications for performing network services or functions.
3. (Original) The intelligent network server of Claim 2 wherein the operations management module performs local operations management for the plurality of applications.
4. (Original) The intelligent network server of Claim 1 wherein the operations management module reports a unified status of the intelligent network server via the message transport module.
5. (Original) The intelligent network server of Claim 1 wherein the operations management module monitors events for the application.

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6. (Original) The intelligent network server of Claim 5 wherein the operations management module creates an event log recording the history of events for the application.
7. (Original) The intelligent network server of Claim 5 wherein the operations management module processes the events of the applications to determine the status of the application.
8. (Original) The intelligent network server of Claim 5 wherein the operations management module processes the events of the application using predetermined performance characteristics for the application to determine the status of the application.
9. (Original) The intelligent network server of Claim 3 wherein the operations management module determines the individual status of each of the plurality of applications.
10. (Original) The intelligent network server of Claim 1 wherein the operations management module initiates corrective measures to avoid a fault or error condition for the application or to enhance performance of the application.
11. (Original) The intelligent network server of Claim 10 wherein the corrective measures comprise routing network messages to another application.
12. (Original) The intelligent network server of Claim 9 wherein the operations management module homogenizes the individual status of each of the applications to determine a unified status of the intelligent network server.
13. (Original) The intelligent network server of Claim 4 wherein the unified status is indicative of the overall status of the intelligent network server.

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14. (Original) The intelligent network server of Claim 4 wherein the unified status is reported in the same manner as the status of any other network device or node in the network.
15. (Original) The intelligent network server of Claim 9 wherein uniform criteria is used to indicate the status of each of the applications.
16. (Original) The intelligent network server of Claim 1 wherein the operations management module identifies when a fault or error condition for the application may occur or is occurring.
17. (Original) The intelligent network server of Claim 1 wherein the network is a public switched telephone network or PSTN.
18. (Original) The intelligent network server of Claim 4 wherein the unified status is reported to network operations management.
19. (Original) The intelligent network server of Claim 18 wherein the network operations management is performed on a network device remote from the intelligent network server.
20. (Original) The intelligent network server of claim 1 wherein the local operations management is integrated with the transactions-level processing of the applications.
21. (Currently amended) A network system, comprising:
a communications network;
an intelligent network server coupled to the communications network, the intelligent network server dynamically monitors performance criteria~~performing local operation management~~ for subsystems on the intelligent network server; and

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a network operations management device coupled to the communications network.

22. (Original) The network of Claim 21 wherein the local operations management on the intelligent network server reports a unified status message to the network operations management, where the message is indicative of the overall status of the subsystems on the intelligent network server.

23. (Original) The network of Claim 22 wherein the message is reported in the same manner as the status of any other network device or node in the network.

24. (Original) The network of Claim 22 wherein the message is an SS7 message.

25. (Currently amended) An intelligent network server comprising:

[[-]] means for performing operations management for multiple applications on an intelligent network server; and

[[-]] means for reporting a unified health status for the intelligent network server to network operations management, wherein the unified health status is based on the operations management for multiple applications on the intelligent network server.

26. (Currently amended) A method of performing operations management on an intelligent network server, comprising:

performing local operations management for multiple applications on an intelligent network server; and

reporting a unified status for the intelligent network server to network operations management, wherein the unified status is based on a health determination for each of the multiple applications on the intelligent network server.

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27. (Original) The method of Claim 26 wherein the unified status is determined from the individual status of each of the applications running on the Intelligent network server.

28. (Original) The method of Claim 26 wherein the unified status is reported in the same manner as the status of any other network device or node in the network.

29. (Original) The method of Claim 26 wherein performing local operations management comprises:

- monitoring events of each application;
- processing the events using predetermined performance criteria for the applications; and
- determining the individual status of each application.

30. (Original) The method of Claim 29 further comprising homogenizing the individual status of each application into the unified status for the Intelligent network server.

31. (Original) The method of Claim 26 wherein the network operations management is performed on a network device remote from the Intelligent network server.

32. (New) A system, comprising:

- a communications network; and

- a network management device coupled to the communications network and configured to manage service control points coupled to the communications network based on messages received from the service control points,

- wherein at least one of the service control points comprises a server on which a plurality of network service applications reside, and

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wherein the server is configured to monitor performance criteria of the network service applications and send messages to the network management device based on the monitored performance criteria of each of the network service applications.

33. (New) The system of claim 32 wherein the performance criteria comprises a number of messages received by an network service application and a time to respond to the number of messages.

34. (New) The system of claim 32 wherein the server is configured to identify fault conditions of the network service applications by monitoring operations of the network service applications and evaluating the operations using at least one of thresholds and statistics.

35. (New) The system of claim 34 wherein the server is configured to initiate corrective measures to avoid fault conditions.